ENGLISH

VISO HP50

Owner's Manual

OSHA GUIDELINES FOR NOISE EXPOSURE LIMITS

The Occupational Safety Health Administration (OSHA) has issued headphone usage recommendations for maximum daily exposure and sound pressure levels [measured in decibels (dB)]. A decibel is a unit of sound measurement that increases exponentially with volume. For example, conversational speech is typically around 60dB, and a rock concert in a stadium is often about 110dB.

90dB	8 hours
95dB	4 hours
100dB	2 hours
105dB	1 Hours
110dB	30 minutes
115dB	15 minutes
120dB	Avoid as damage may occur

FCC NOTICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING!

- Warnings or announcements may be unnoticed when you are using the headphones. You should be aware of ambient sounds while wearing the headphones, and recognize them as needed.
- Long-term exposure to loud music may cause permanent hearing damage.
- Do not attempt to modify this product as it could result in personal injury and/or product failure.
- If water or other foreign substances permeate inside the device, fire or electric shock may result.

CAUTION

Changes or modifications to this equipment not expressly approved by NAD Electronics for compliance could void the user's authority to operate this equipment.

NOTES ON ENVIRONMENTAL PROTECTION

At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials, or other forms of recycling of old products, you are making an important contribution to the protection of our environment.

Your local administrative office can advise you of the responsible waste disposal point.

NAD VISO HP50 is the culmination of more than forty years of dedicated audio innovation. Designed and driven by audiophiles, NAD VISO HP50 is made specifically for digital natives who understand the difference what clean, crisp sound makes to music lovers.

The HP Series of headphones introduce best-in-class performance combined with incredible comfort and forward-thinking design in the world's next pair of over-ear headphones. Infused with the innovative RoomFeel™ technology, soundstages are dramatically expanded, adding back warmth and open sound, without altering the audio signal. The HP Series also offers dual inputs, pivoting ear cups and an inline remote and microphone cable to control Apple devices.

We hope you will read through this owner's guide to help assure that you are getting the most out of your new NAD VISO HP50.

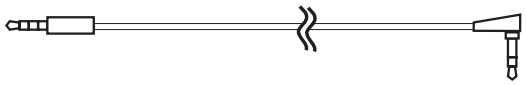
WHAT'S INSIDE THE BOX

Packed with your VISO HP50 you will find:

- Apple compatible tangle-free ribbon cable
- Additional standard ribbon cable
- Carrying case
- Mini-accessory travel pouch
- 3.5 to ¼ inch headphone adaptor
- Airline adaptor

IDENTIFICATION OF PARTS AND ACCESSORIES

1 RIBBON CABLE INPUT

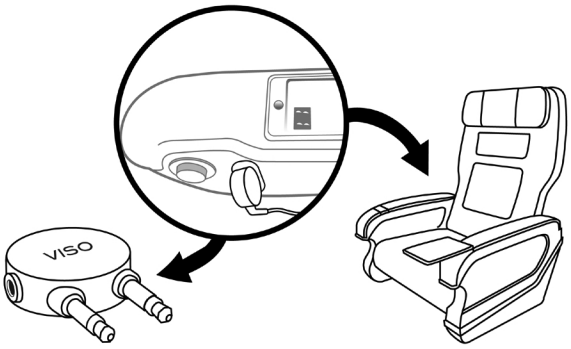


- For a complete listening experience on most devices, use the standard ribbon cable. Plug the straight end of the standard cable into the bottom of the left or right ear cup and the L-shaped end into the 1/8" (3.5mm) stereo socket on your music player.
- Each ear cup is marked with "L" and "R" to indicate the left and right sides of the headphones.
- A 1/4" (6.3mm) adaptor is also included for connecting to other audio equipment.

NOTES

- *Grasp the plug at the end of the cable and pull to disconnect. Never pull on the headphone cable to disconnect the headphones from the music player.*
- *Turn the volume down to a comfortable listening level on your music player before putting on VISO HP50.*

2 AIRLINE ADAPTOR



- Use the supplied dual 3.5mm airline adaptor to connect your VISO HP50 with in-flight entertainment systems.

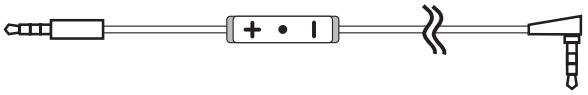
NOTES

- *Audio output jack configurations may vary on airplanes. Airline audio may not equal the high quality sound heard from your home audio equipment, or a portable source.*
- *NAD Electronics does not recommend using these headphones as aviation communication equipment as they are not engineered for many environmental conditions common in commercial or non-commercial aircrafts (including, but not limited to: altitude, temperature, noise conditions, unpressurized aircraft, etc.) resulting in possible interference to critical communications.*

3 HEADPHONE ADAPTOR (3.5 mm to ¼ inch)

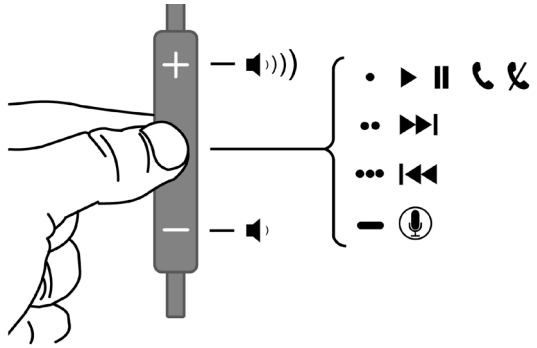
- Use this headphone adaptor to connect your 1/8 inch (3.5mm) stereo plug to a 1/4 inch (6.3mm) stereo jack.

4 INLINE MICROPHONE/REMOTE CABLE



- VISO HP50 includes an inline microphone and remote cable for use with iPod* and other iOS devices*. The cable is equipped with a call answer button and other phone features for effortless switching between music listening and talking. It also features music and video playback control for iPod®, iPhone® and iPad®.
- Audio is supported on all iPod models. The remote is supported by iPod Shuffle (3rd generation and later).
- The remote and microphone are supported only by
  - iPod nano (4th generation and later),
  - iPod Classic (120GB, 160GB)
  - iPod Touch (2nd generation and later)
  - iPhone 3S, iPhone 4, iPhone 5, iPad and iPad mini.
- Plug the end of the remote cable that is closest to the control button into the bottom of the left or right ear cup and the L-shaped end into the 1/8" (3.5mm) stereo socket on your music player.

USING APPLE CONTROL FEATURES



FEATURE	PROCEDURE
Answer or end call	Press the centre button once to answer or end a call.
Decline incoming call	Press and hold the centre button for two seconds, then release. There will be two beeps to indicate successful operation.
Use call waiting	To switch to an incoming call and put an in-progress call on hold, press the centre button, and then repeat to switch back to the previous call and put the new call on hold.
	To switch to an incoming call and end an in-progress call, press and hold the centre button for two seconds. Two beeps will indicate successful operation.
Activate Siri or voice control	Press and hold the centre button for two seconds.
Play/pause song or video	Press the centre button to play or pause the song.
Skip to next/previous song or chapter	Quickly press the centre button twice to skip to the next song.
Scan forward through song or video	Quickly press, then press and hold the center button to scan forward. Release to stop scanning forward.
Scan backward through song or video	Quickly press twice, then press and hold the centre button. Release to stop scanning backward.
Control Volume	Press the (+) button to increase volume. Press the (-) button to decrease volume.

NOTE

- *Some features may not be applicable to your iPod or iOS device.*

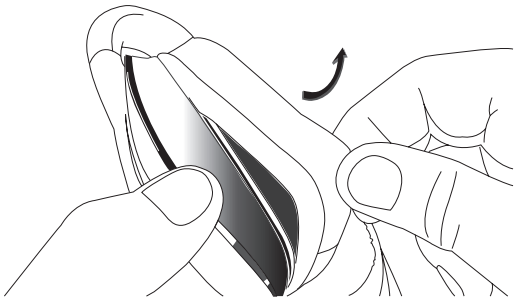
HANDLING AND MAINTENANCE

EAR CUP ATTACHMENT AND REMOVAL

The ear cup cushions have been designed to be removable for cleaning and replacement purposes. Constant removal of the cushions is not recommended. To attach or remove the headphone ear cups:

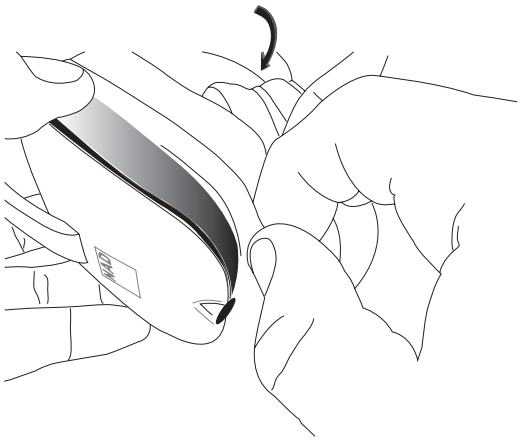
DETACH EAR CUP CUSHION

1 Grasp the ear cup that needs the cushion removed.
2 Using the other hand, grip the leather ear cup cushion, and carefully stretch and pull the lip of the cushion away from the groove.



REATTACH EAR CUP CUSHION

1 To reattach, grip the headband and cushion as described above, and
2 Fit the lip of the ear cup cushion into the groove/slot, then slowly work the leather lip into the groove of the ear cup until firmly inserted.



CARE AND CLEANING

For safe, sanitary use, it is essential to maintain and clean your NAD VISO HP50 periodically. However, excessive cleaning may cause damage and jeopardize the longevity of the product.

- When not in use, always store your VISO HP50 in the supplied protective case, and store in a clean and dry environment.
- Avoid storing in extreme heat or cold temperatures and humidity, and avoid exposure to liquids.
- For regular cleaning, use a slightly damp cloth and gently clean each ear cup cushion, and then use a dry cloth to remove any residual moisture.
- If heavier cleaning is required, use standard cleaning practices and never apply harmful or corrosive cleaners to the headphones.

WARNING

Never wet the speaker or electronics inside of the VISO HP50. Water or cleaning solvents may cause irreparable damage to the electronics inside your headphones.

PROTECTING YOUR INVESTMENT

For long lasting enjoyment of your headphones, you should respect their limits and avoid excessive volume levels for music or movie playback.

- Excessive volume levels can damage all headphones.
- If your headphones are pushed to excessive volume levels, they might be driven into "clipping", which could result in severe and/or permanent injury.
- If using your headphones at loud levels, listen carefully for any sign of harsh, garbled midrange and diminishing intelligibility – and if detected, turn the volume down immediately.

TROUBLESHOOTING

CONDITION	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
Low or no audio output.	• Audio source is powered off.	• Power on audio source.
	• Audio volume level is set to minimum.	• Set audio to medium volume level.
	• No connection between audio source and ear cup.	• Ensure full ribbon cable connection between ear cup and audio source.
	• Audio source is muted with Apple control feature.	• Press center button of Apple control feature to restore audio.
Crackling noise or intermittent audio.	• Ribbon cable connection is not fully inserted or pushed home at the audio source or ear cup end.	• Ensure full cable connection between audio source and ear cup.
	• Connection at the audio source or ear cup end is damaged.	• Use new ribbon cable.

If you require service, please visit your local authorized NAD service centre, or www.nadelectronics.com/salon for assistance.

SPECIFICATIONS

Rated power	30mW
Frequency response (20Hz – 20kHz)	± 3dB, -3dB at 15Hz
Sensitivity (1kHz)	100 dB
Total harmonic distortion	≤ 1%
Impedance, passive	32 ohms
Transducer, type	Dynamic driver
Transducer, size	40 mm

NAD SHALL NOT BE HELD LIABLE FOR ANY TECHNICAL OR USER INTERFACE DISCREPANCIES IN THIS MANUAL. THE NAD VISO HP50 OWNER'S MANUAL MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. CHECK OUT WWW.NADELECTRONICS.COM FOR THE LATEST VERSION OF THE NAD VISO HP50 OWNER'S MANUAL.

www.NADelectronics.com

©2014 NAD ELECTRONICS INTERNATIONAL
A DIVISION OF LENBROOK INDUSTRIES LIMITED

All rights reserved. NAD and the NAD logo are trademarks of NAD Electronics International, a division of Lenbrook Industries Limited.
No part of this publication may be reproduced, stored or transmitted in any form without the written permission of NAD Electronics International.
While every effort has been made to ensure the contents are accurate at the time of publication, features and specifications may be subject to change without prior notice.

VISO HP50_ENG_OM_V03 - MAY 2014